



None

Hazardous Location Approval

Maximum Flow Rate (L/min)

Fluid Section Material End Port

Manifold Configuration BSPT

Connection Type Geolast

Seat Material Geolast

Ball Material Geolast

Diaphragm Material



QUANTM i80, 1.5"BSPT,
Aluminum Electric Diaphragm
Pump, FluxCore Drive, 200-240
V, AL Center, GE Seat, GE Ball,
GE Diaphragm

Part Number: TE80-0059

Features

The all-aluminum fluid section is specifically designed to be abrasion-resistant while also providing mild corrosion resistance. With up to 8x more continuous torque at low speeds than conventional motors, this general-purpose electric pump is an energy-saving workhorse that is ideal for sump evacuation applications as well as applications involving the evacuation of petroleum products (new and waste oils) and evacuation of solvents. This powerful new pump delivers a higher level of reliability to minimize downtime while the plug-and-play design makes it easy to drop into any production line without additional investment or infrastructure rework. Not for use with halogenated hydrocarbons.

- Revolutionary Design
 - Replace existing air operated pumps with electric pump technology that stalls under pressure and includes AutoPrime feature
 - Patented FluxCore drive removes the gearbox providing a comparable footprint to a pneumatic diaphragm pump
 - Up to 80% reduction in energy consumption compared to pneumatic pumps, reducing operating costs and providing a quick investment payback
 - Quiet operation reduces plant noise and improves employee safety and health
 - Smart pump control provides more accurate flow set points and built-in I/O

- FluxCore Motor
 - Powder-coated aluminum FluxCore drive
 - 240 VAC 1ϕ motor with 15 ft cord and IEC 60320-C20 plug
 - Non-hazardous
- Materials of Construction
 - Aluminum fluid section with BSPT end port
 - Internal components include Geolast® seat, Geolast® ball, Geolast® diaphragm and PTFE manifold o-ring

Specifications & Documents

Technical Specifications

Maximum Ambient Temperature (°F)	104
Maximum Fluid Operating Temperature (°C)	82
Diaphragm Material	Geolast
Overall Height (in)	19.6
Minimum Fluid Operating Temperature (°C)	-40
Maximum Fluid Operating Temperature (°F)	180
Fluid Inlet Size (in)	1.5
Weight (lb)	71
Application	Chemical Processing Paints and Coatings Waste Water General Fluid Transfer
Minimum Fluid Operating Temperature (°F)	-40
Fluid Inlet Thread Gender	Female
Wetted Material	Aluminum Geolast PTFE
Fluid Inlet Thread Type	BSPT
Center Section Material	Aluminum
Fluid Outlet Size (in)	1.5
Ball Material	Geolast
Manifold Configuration	End Port
Manifold O-Ring Material	PTFE

Product Manuals

[3A7637](#)

[3A8572](#)

[3A8946](#)

Type	Electric Diaphragm Pump
Fluid Outlet Thread Gender	Female
Connection Type	BSPT
Fluid Outlet Thread Type	BSPT
Seat Material	Geolast
Series	i80
Fluid Section	Aluminum, End Port, BSPT
Hazardous Location Approval	None
Maximum Fluid Pressure (psi)	100
Cord Length (ft)	15
Model	QUANTM
Voltage (V ac)	240 VAC 1ϕ
Fluid Section Material	Aluminum
Motor Type	FluxCore Drive
Maximum Solid Size (in)	0.19
Maximum Amperage (A)	15
Maximum Flow Rate (GPM)	80